INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/25144

IPC(7) US CL According to B. FIELD Minimum doc	SIFICATION OF SUBJECT MATTER : A01H 5/00; C07K 5/00; C07H 21/02; C12N 5/ : 435/419; 530/300; 536/23.1, 23.4; 800/278, 288 International Patent Classification (IPC) or to both national Searched (classification system followed by sumentation searched (classification system followed by 55/419; 530/300; 536/23.1, 23.4; 800/278, 288, 298.	s, 298. ional classification and IPC			
Documentatio	on searched other than minimum documentation to the e	extent that such documents are included in	the fields searched		
Electronic dat WEST; In-ho	ta base consulted during the international search (name puse Sequence databases -see enclosed Sequence Search	of data base and, where practicable, search print-ou results	ch terms used)		
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.		
. x	PAWLOWSKI, et al. In Vitro expression of actinorh demonstration of its toxicity to E. coli., pages 423-4 (eds.) The Biology of Plant-Microbe Interactions: Pro Symposium on molecular plant-microbe interactions,	28, December 1996, (in) Stacey, et al occeedings of the 8th international	5-9		
- X	PAWLOWSKI, et al. A nodule-specific gene family and histidine-rich proteins expressed in the early stag Molecular Plant-Microbe Interactions, 1997, Vol. 10 pages 656, 658, 662, and 663.	es of actinorhizal nodule development.	5-9		
x 🗸	DOBRITSA, et al. Novel Nodule-specific glycine- ar the zone of intfection of actinorhizal nodules may be Current Plant Science and Biotechnology in agricultu entire document.	multimeric metal-binding proteins.	5-9		
X ,	NCBI database for nucleotide sequences, National ce NIH (Bethesda, MD, USA) TWIGG, P. G. Accessic identical to the polynucleotide encoding SEQ ID NO	n number U69156, 1993. 100%	6-11		
Further	documents are listed in the continuation of Box C.	See patent family annex.			
"A" documen	Special categories of cited documents: "T" later document published after the international filing date or pridate and not in conflict with the application but cited to understate of the art which is not considered to be of particular relevance "T" later document published after the international filing date or pridate and not in conflict with the application but cited to understate of particular relevance.				
"E" earlier ap	pplication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
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"O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the			
priority o	priority date claimed				
Date of the actual completion of the international search		Date of mailing of the international search report 1 0 AUG 2005			
	30 June 2005 (30.06.2005) Name and mailing address of the ISA/US Authorized officer				
Ma Co	uit Stop PCT, Atm: ISA/US mmissioner for Patents	Georgia Helmer			
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ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X Z	NCBI database for nucleotide sequences, National center for Biotechnology Information, NIH (Bethesda, MD, USA) TWIGG, P. G. Accession number AAD00171, 1993. 100% to SEQ ID NO: 1.	5-11
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